

NOTE:  
MD 528 IS ASSUMED TO  
RUN IN A NORTH-SOUTH  
DIRECTION.

16a, 16b, 18a, 18b  
21<sup>st</sup> Street  
D3-2  
(VARIABLE X 16")  
DUAL FACED  
20  
Philadelphia AVE  
D3-2  
(VARIABLE X 16")

EXISTING SIGNS  
TO REMAIN

PROPOSED SIGNS

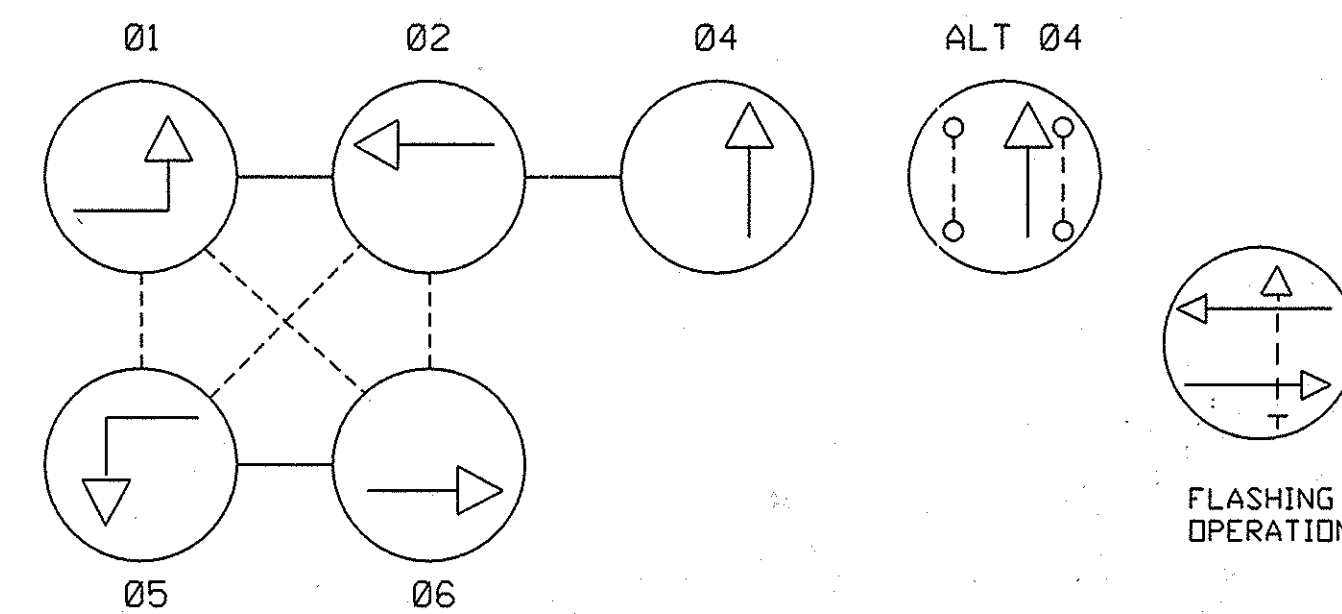
EXISTING SIGNS  
TO BE REMOVED

PROPOSED AUDIBLE  
PUSHBUTTON AND SIGN

EXISTING SIGNALS  
TO REMAIN

PROPOSED SIGNALS  
(BLACK FACED)

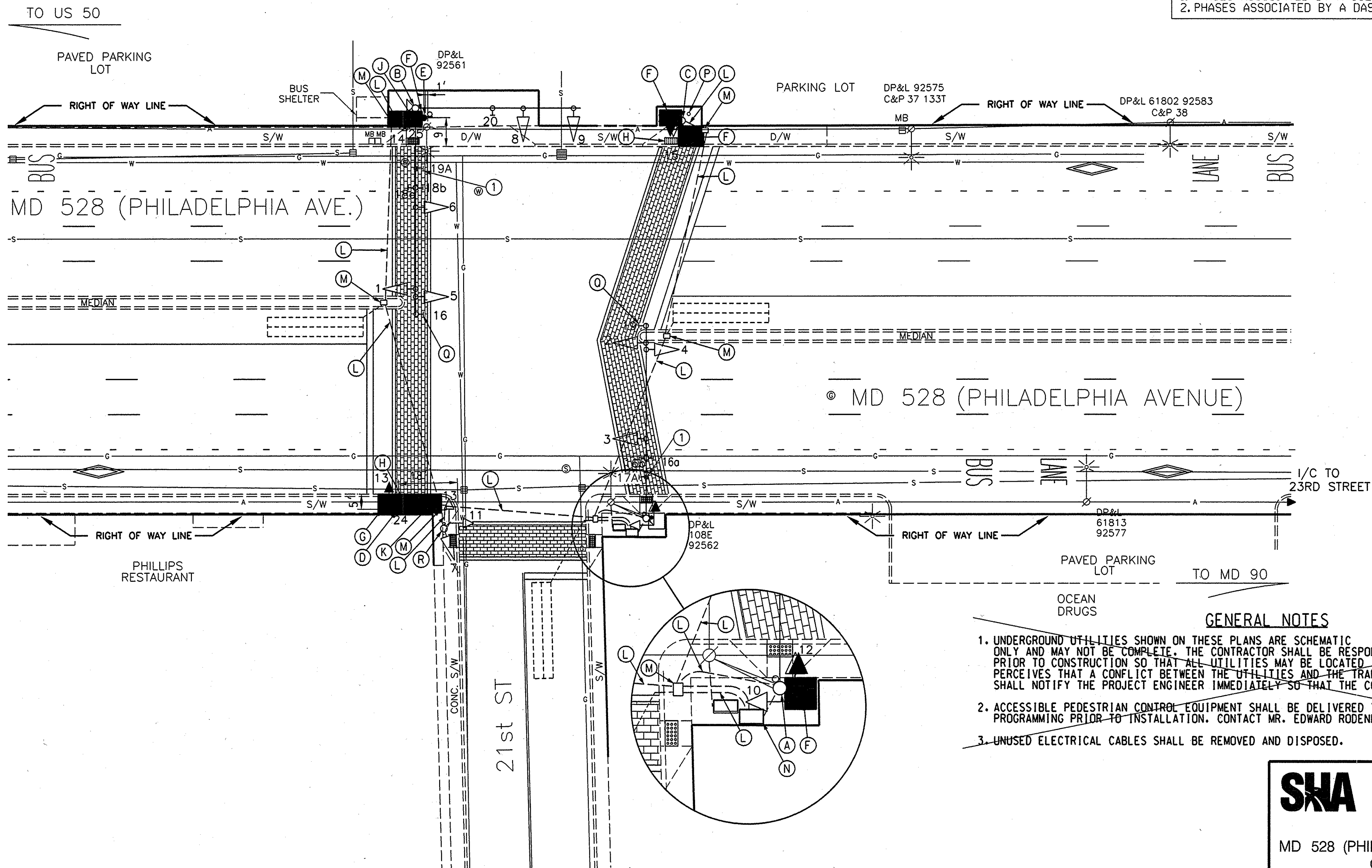
NEMA PHASING



PHASING NOTES:  
1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.  
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

### CONSTRUCTION DETAILS

- REMOVE ALL EXISTING PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND SIGN; INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEAD AS SHOWN (SIDE OF POLE MOUNTED); INSTALL APS PEDESTRIAN PUSHBUTTON AND SIGN (ORIENTED PARALLEL WITH THE EXISTING CROSSWALK); PLUG UNUSED HOLES IN THE EXISTING POLE.
- REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND SIGN; INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEAD (SIDE OF POLE MOUNTED); PLUG UNUSED HOLES IN THE EXISTING POLE.
- REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND SIGN; INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEAD (PEDESTAL MOUNTED); INSTALL APS PEDESTRIAN PUSHBUTTON AND SIGN (ORIENTED PARALLEL WITH THE EXISTING CROSSWALK); PLUG UNUSED HOLES IN THE EXISTING POLE.
- INSTALL 10 FOOT PEDESTAL POLE, COUNTDOWN PEDESTRIAN SIGNAL HEAD (PEDESTAL MOUNTED), APS PEDESTRIAN PUSHBUTTON AND SIGN (ORIENTED PARALLEL WITH THE EXISTING CROSSWALK).
- INSTALL 5 FOOT PEDESTAL POLE, APS PEDESTRIAN PUSHBUTTON AND SIGN (ORIENTED PARALLEL WITH THE EXISTING CROSSWALK).
- INSTALL CONCRETE SIDEWALK.
- INSTALL 4 IN. CONCRETE SIDEWALK WITH SIDEWALK RAMP (SHA STANDARD NO. MD 655.13) AND DEPRESSED CURB AND GUTTER (SHA STANDARD NO. MD 620.03).
- INSTALL DETECTABLE WARNING SURFACE (BLACK).
- INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.
- USE EXISTING CONDUIT.
- USE EXISTING HANDHOLE.
- USE EXISTING CONTROLLER AND CABINET.
- REMOVE FOUR EXISTING BOLLARDS.
- REMOVE EXISTING SIGN.
- REMOVE EXISTING PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND SIGN; PLUG UNUSED HOLES IN THE EXISTING POLE.



### GENERAL NOTES

- UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "MISS UTILITY" PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- ACCESSIBLE PEDESTRIAN CONTROL EQUIPMENT SHALL BE DELIVERED TO THE SHA SIGNAL SHOP FOR TESTING AND PROGRAMMING PRIOR TO INSTALLATION. CONTACT MR. EDWARD RODENHIZER TO COORDINATE AT 410-787-7652.
- UNUSED ELECTRICAL CABLES SHALL BE REMOVED AND DISPOSED.

SHA

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

MD 528 (PHILADELPHIA AVENUE) AT 21ST STREET  
OCEAN CITY, MARYLAND

### TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE JUNE, 1974 CONTRACT NO. WO-479-001-185  
DESIGNED BY W.M. COUNTY WORCESTER  
DRAWN BY W.M. LOGMILE 23052807.17  
CHECKED BY A.B. TMS NO. 1673  
FAP NO. TOD NO.  
TS NO. 363F DRAWING OF SHEET NO. 5 OF 46

### LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE A  
ELECTRIC E  
TELEPHONE T  
GAS G  
SEWER S  
WATER W  
CABLE TV TV

### CONSTRUCTION DETAILS

- REMOVE EXISTING LANE RESTRICTION SIGN AND INSTALL NEW SIGN AT SAME LOCATION ON MAST ARM AS SHOWN.

TRAFFIC CONCEPTS, INC.

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Suite E  
Gambrills, MD 21054  
(410) 923-7101  
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### APPROVALS

TEAM LEADER  
ASST. DIR. CHIEF  
DIVISION CHIEF  
OFFICE DIRECTOR

### REVISIONS

1. INSTALL RESTRICTED RIGHT LANE SIGNS  
2. INSTALL COUNTDOWN PED  
3. SIGNALS WITH APS PUSHBUTTONS AND  
4. RECONSTRUCT WITH MAST  
5. ARMS

PLOTTED: Monday, July 14, 2008 AT 05:29 PM  
FILE: L:\1900\1968\Task 123- MD 528\Dgn\OC DGN FILES\MD528 @ 21st.plt.dgn

TOD No. AT909-32  
SHA No. WO442A55/C55